



Electric Fleet Vehicles

Electricar Sedan

The new mid-size Electricar Sedan has the performance, comfort and style you've come to expect in a car — without pollution! This comfortable, four-door sedan, with roomy five passenger interior, is a practical commuter, carpool vehicle, or multi-purpose sedan that's great for businesses and individuals alike.

Underneath the hood, the new 50kW GM Hughes Dolphin AC Drive System gives you the power to merge easily onto freeways, maintain adequate speeds, and accelerate with confidence. When not accelerating, the regenerative braking system returns energy normally lost during braking back into the batteries, increasing your range per charge.

The Electricar Sedan features driver- and passenger-side air bags, four-wheel independent suspension, rear door locks, dual-outside mirrors and full carpeting. The interior features quality appointments, such as reclining front

bucket seats upholstered with Scotchgard™ fabric protector. Bumper level loading gives easy access to the 12.7 cubic foot cargo space.

A rugged steel unibody surrounds the entire passenger compartment and features reinforced pillars and side-guard door beams for added passenger safety. Battery placement below the passenger compartment for a lower center of gravity and four-wheel independent suspension provide enhanced road handling ability for a smooth, responsive ride. The Goodyear™ Invicta GL tires provide maximum efficiency and low rolling resistance.

Recharge the maintenance-free Hawker Genesis™ batteries anywhere with the on-board 110/220 volt charger or reduce charging time dramatically with the optional 440 volt off-board charger.

Specifications

Model Year:	1994
Curb Weight:	3440
Charger:	110VAC or 220VAC
Battery:	Pb Acid
Motor:	AC Induction
Top Speed:	80 mph (controlled)
Range:	50-80 miles
0 to 30:	4.5 sec.
0 to 50:	12 sec.
Max. Grade:	27%
Charge Time:	4-6 hrs (220 VAC) 8-10 hrs (110 VAC)



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Battery

Hawker Energy Products

- Sealed gas recombinant, self-resealing lead-acid modules
- Up to 13 Kw-hr. at 1 hr. discharge rate
- Absorbed electrolyte design
- Minimal gas evolution during charging
- Long cycle life
- Low internal resistance
- Integral battery module with redundant chassis isolation under all modes of operation; simplified modular replacement scheme
- Maintenance-free service life

Motor

GM Hughes Electronics Power Control Systems

- AC induction, 3-phase, 4 pole, with optical encoder. Peak power of 50 Kw
- Low noise operation
- Integrated motor/inverter cooling system. Near constant power output over wide RPM affords use of single speed drive
- No regular maintenance required
- High specific power output and power density
- High efficiency

Controller

GM Hughes Electronics Power Control Systems

- Compact DC to three-phase AC power inverter with integral control computer-voltage fed, current controlled, four quadrant operation
- Custom high power hybrid power switch modules and pulse width modulation
- High efficiency
- Microprocessor controlled with fully reprogrammable memory

- Integral control of key functions, such as speed limit, torque control, over/under voltage limit, over current, over temperature, diagnostics and self test
- Built-in high voltage interlock safety protection
- No regular maintenance required
- High specific power output and density

Built-In Charger

- 110 VAC 15A service or 220 VAC 15A service, compatible with other AC power forms
- Unity power factor with high power quality
- No off-board equipment needed
- Built-in GFI
- Just plug in and forget; no switches or timer
- Protects batteries from over-voltage with software-controlled charging

Standard Features

Exterior

- Black body-side moldings
- Body-color front and rear bumpers
- Composite halogen headlamps
- Dual outside mirrors (left-hand remote)
- Tinted glass

Interior

- Center console w/ cup holders and storage tray
- Child security rear-door locks
- Custom "soft touch" steering wheel
- Day/night inside rearview mirror
- Door storage bins
- Driver-and passenger-side air bags
- Front shoulder belt height adjusters
- Full carpeting
- Headlamps-on reminder tone
- Remote fuel door
- Scotchgard™ Fabric Protector on cloth seats and door trim

Seats

- Cloth-and-vinyl seat trim
- Reclining front bucket seats

Power Teams/Chassis

- "Automatic" transmission
- Four-wheel independent suspension
- Rack-and-pinion steering
- Zinc-rich, corrosion-resistant galvanized steel body panels
- Chip-resistant lower-body corrosion protection
- Under-body protective coating

Wheels/Tires

- 14" styled steel wheels with center caps
- Goodyear™ Invicta GL P175/65 R-14 all-season steel-belted radial tires

Dimensions

Exterior	(in.)
Wheelbase	97.1
Length (overall)	173.0
Width (overall)	66.3
Height (overall)	53.3

Interior	(in.)
Head room - front	38.5
Head room - rear	36.4
Leg room - front	41.7
Leg room - rear	33.1
Shoulder room - front	54.1
Shoulder room - rear	53.4
Hip room - front	51.3
Hip room - rear	54.2

Capacities

Passenger capacity	5
Cargo capacity	12.7

Color & Trim Availability

Exterior Colors

- Ice Blue Mica
- White

Interior Colors

- Dk Blue
- Li Gray

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